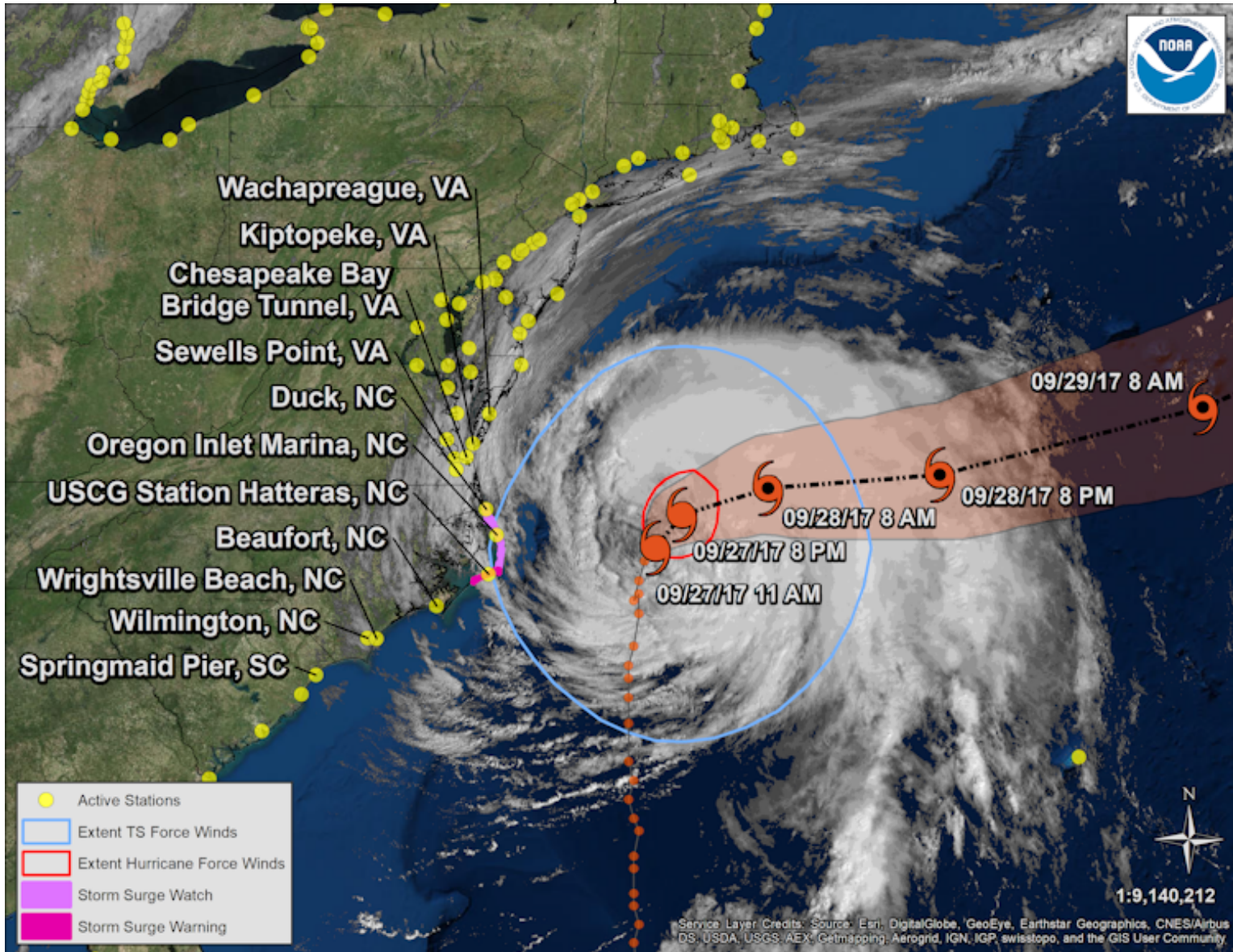




Hurricane MARIA QuickLook  
Posted: 12:00 EDT 09/27/2017

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 9/27/2017 12:00 EDT, water levels along the Atlantic coast from Springmaid Pier, SC to Wachapreague, VA, including the entrance to the Chesapeake Bay, are elevated and range between 1 and 2 feet above normal tide levels. Within Pamlico Sound, water levels at USCG Hatteras, NC are presently measuring about 2.7 feet above tide predictions. Water levels at Oregon Inlet Marina, NC are only slightly elevated by about 0.7 feet above normal tide levels.

Wind speeds along the Mid-Atlantic coast range from 10 to 30 knots with gusts up to 45 knots. Barometric pressure is beginning to rebound across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please see Coastal Inundation Dashboard.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Hurricane Maria Advisory Number 46

NWS National Hurricane Center Miami FL

1100 AM EDT Wed Sep 27 2017

...MARIA TURNS NORTH-NORTHEASTWARD...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

-----  
LOCATION...35.6N 72.6W

ABOUT 165 MI...265 KM E OF CAPE HATTERAS NORTH CAROLINA

MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H

PRESENT MOVEMENT...NNE OR 15 DEGREES AT 6 MPH...9 KM/H

MINIMUM CENTRAL PRESSURE...978 MB...28.88 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued west of Ocracoke Inlet.

The Storm Surge Watch has been discontinued west of Ocracoke Inlet.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

\* Ocracoke Inlet to Cape Hatteras

A Tropical Storm Warning is in effect for...

\* Ocracoke Inlet to the North Carolina/Virginia border

\* Albemarle and Pamlico Sounds

A Storm Surge Watch is in effect for...

\* North of Cape Hatteras to Duck

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov). This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov).

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

## DISCUSSION AND 48-HOUR OUTLOOK

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At 1100 AM EDT (1500 UTC), the center of Hurricane Maria was located near latitude 35.6 North, longitude 72.6 West. Maria is moving toward the north-northeast near 6 mph (9 km/h), and this motion is expected to continue today. Maria is forecast to accelerate east-northeastward on Thursday and Thursday night. On the forecast track, Maria will begin to move away from the coast of North Carolina later today and tonight.

Reports from an Air Force Reserve reconnaissance aircraft indicate that the maximum sustained winds are near 75 mph (120 km/h) with higher gusts. Some weakening is forecast during the next 48 hours.

Hurricane-force winds extend outward up to 105 miles (165 km) primary to the northeast of the center, and tropical-storm-force winds extend outward up to 230 miles (370 km). An observing site at Jennette's Pier in Nags Head, North Carolina, recently reported a sustained wind of 43 mph (69 km/h) and a gust of 51 mph (81 km/h).

The estimated minimum central pressure based on reconnaissance aircraft data is 978 mb (28.88 inches).

## HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected within the warning area through today.

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide...

Ocracoke Inlet to Duck including the sound side of the Outer Banks...2 to 4 ft

Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

SURF: Large swells generated by Maria are affecting much of the east coast of the United States, Atlantic Canada, Bermuda, the Bahamas, and the Turks and Caicos Islands. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office for more information.

NEXT ADVISORY

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Next intermediate advisory at 200 PM EDT.

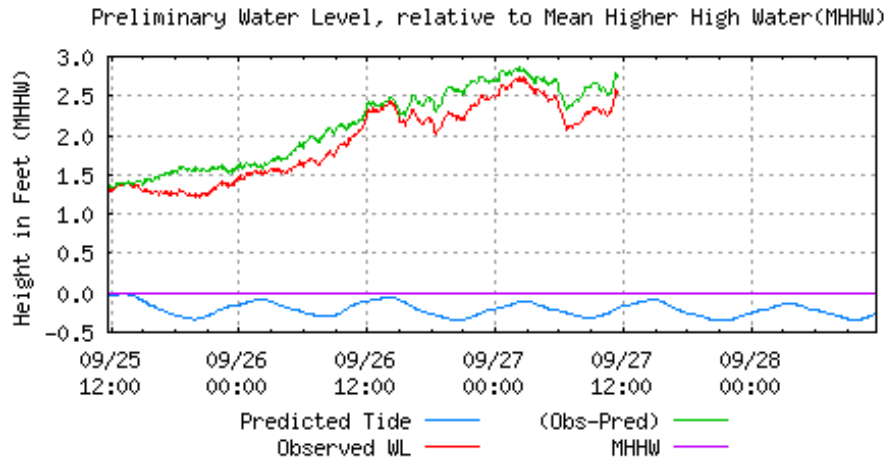
Next complete advisory at 500 PM EDT.

Forecaster Brown

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Oregon Inlet Marina - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Sewells Point - Water Level](#), [Sewells Point - Barometric](#), [Kiptopeke - Water Level](#), [Kiptopeke - Winds](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Wachapreague - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Barometric](#)

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



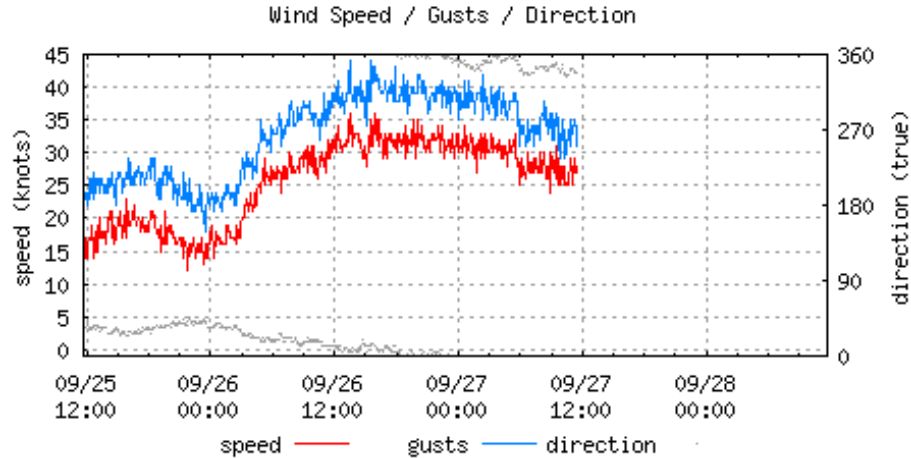
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: 2.54 ft. Predicted: -0.18 ft. Residual: 2.72 ft.

Historical Maximum Water Level: Oct 9 2016, 5.71 ft.

Next High Tide: 09/27/2017 14:48 (EDT), -0.09 ft.

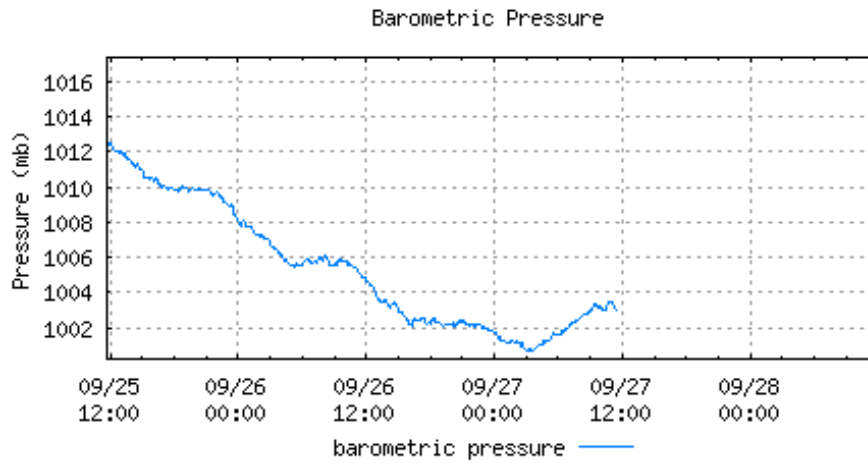
NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 26 knots Gusts: 32 knots Direction: 339° T

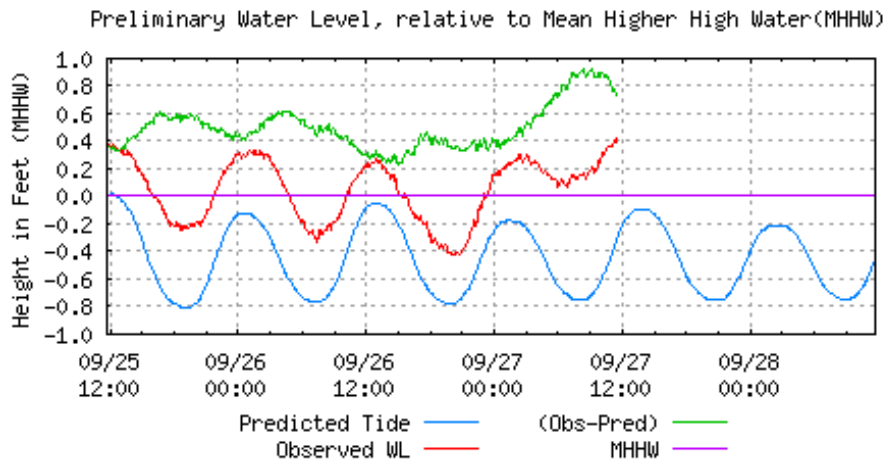
NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1003.0 mb

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



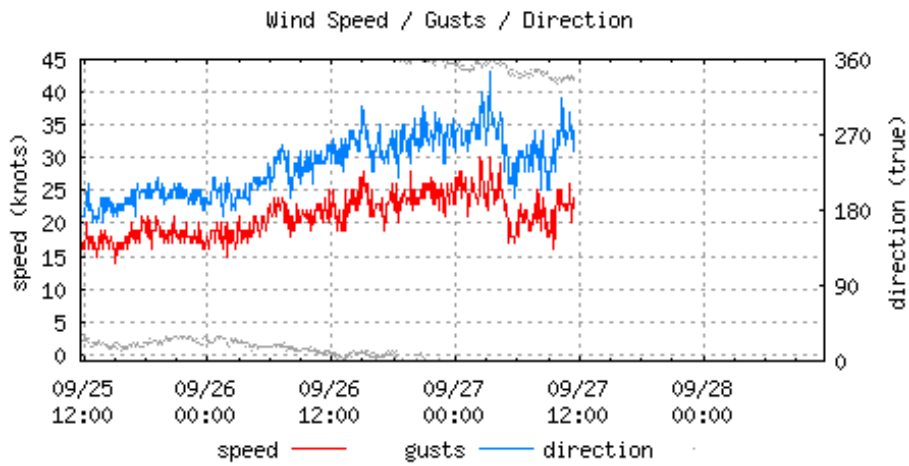
Last Observed Sample: 09/27/2017 11:30 (EDT). Data relative to MHHW

Observed: 0.42 ft. Predicted: -0.31 ft. Residual: 0.73 ft.

Historical Maximum Water Level: Aug 28 2011, 6.32 ft.

Next High Tide: 09/27/2017 13:44 (EDT), -0.09 ft.

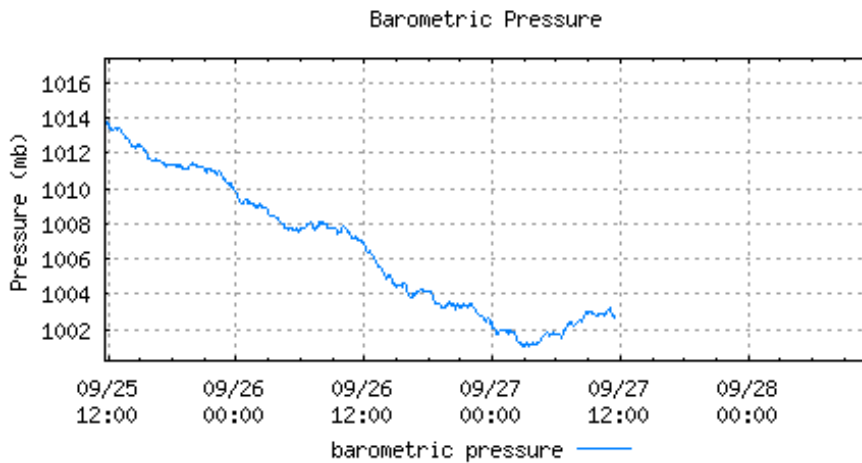
NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



Last Observed Sample: 09/27/2017 11:30 (EDT)

Wind Speed: 24 knots Gusts: 31 knots Direction: 336° T

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC

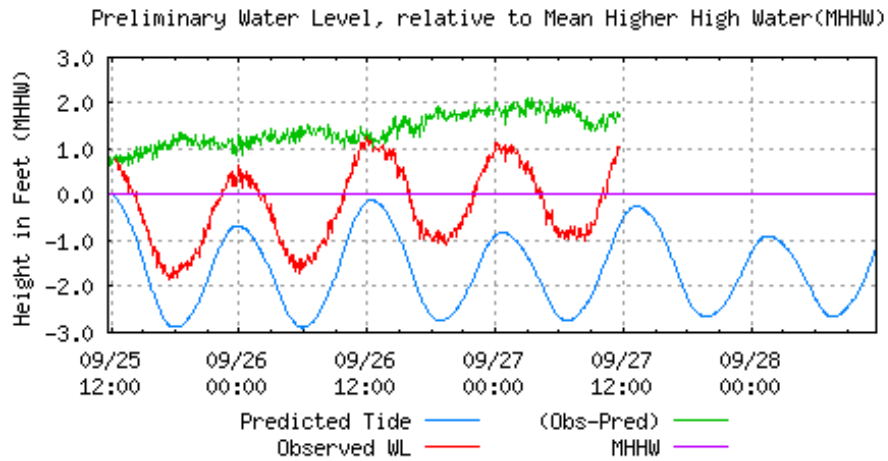


Last Observed Sample: 09/27/2017 11:30 (EDT)

Barometric Pressure: 1002.6 mb



NOAA/NOS/CO-OPS 8651370 Duck, NC



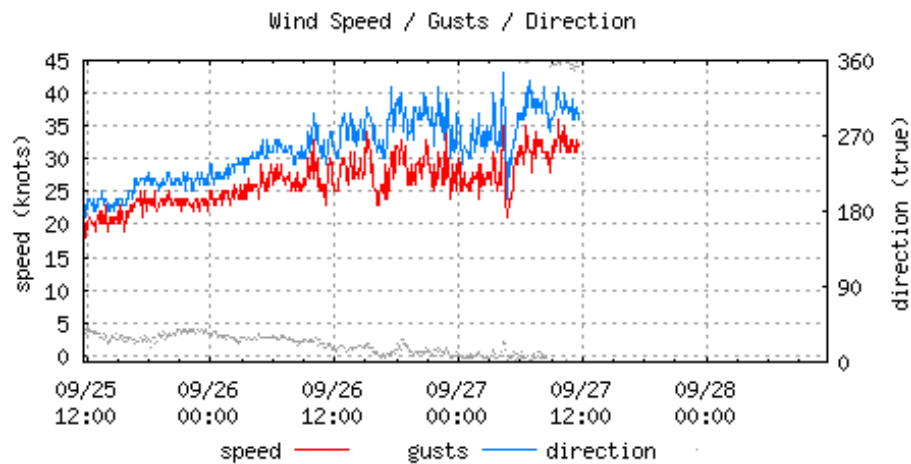
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: 1.03 ft. Predicted: -0.68 ft. Residual: 1.71 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 09/27/2017 13:15 (EDT), -0.24 ft.

NOAA/NOS/CO-OPS 8651370 Duck, NC

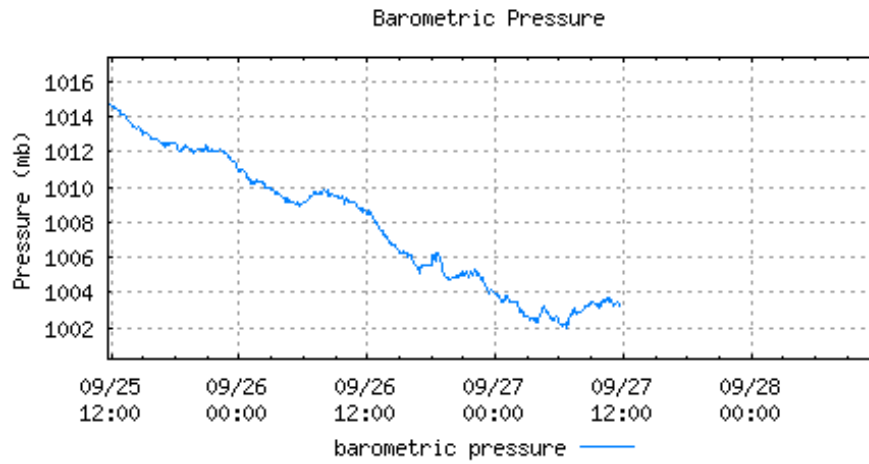


Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 32 knots Gusts: 36 knots Direction: 352° T



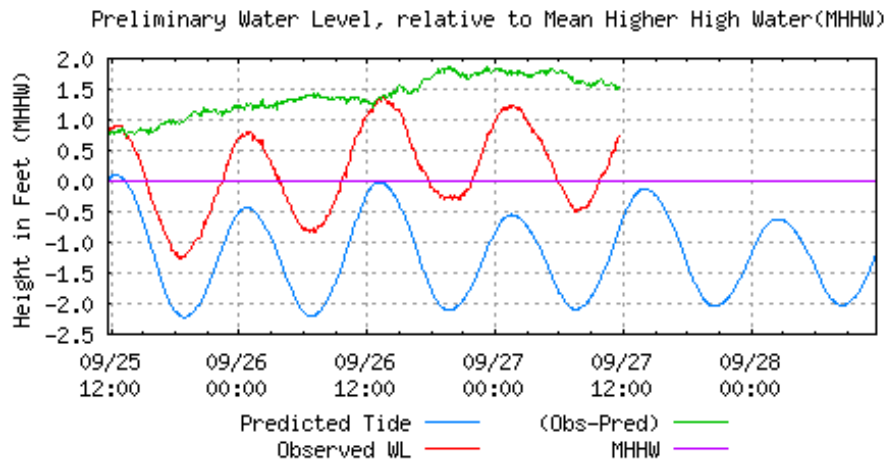
NOAA/NOS/CO-OPS 8651370 Duck, NC



Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1003.2 mb

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



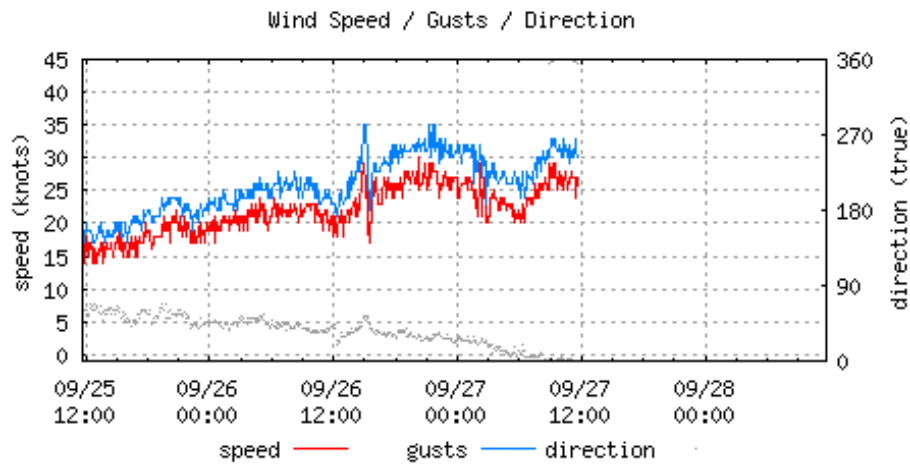
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: 0.74 ft. Predicted: -0.80 ft. Residual: 1.54 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/27/2017 14:00 (EDT), -0.13 ft.

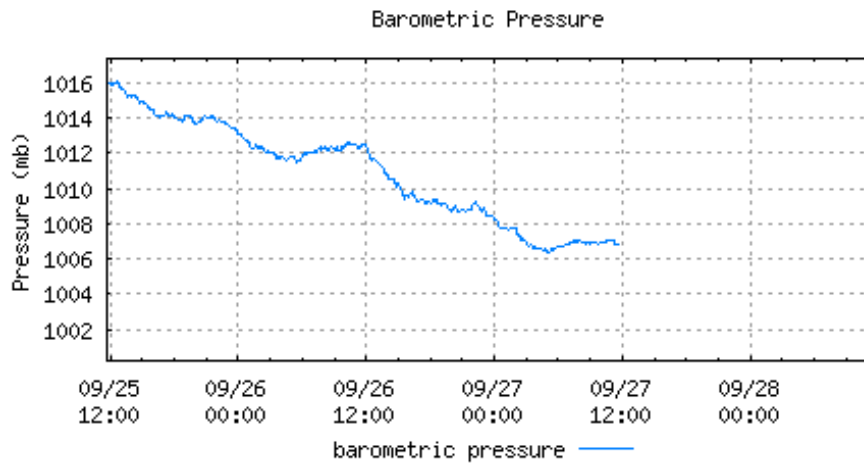
NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 27 knots Gusts: 30 knots Direction: 356° T

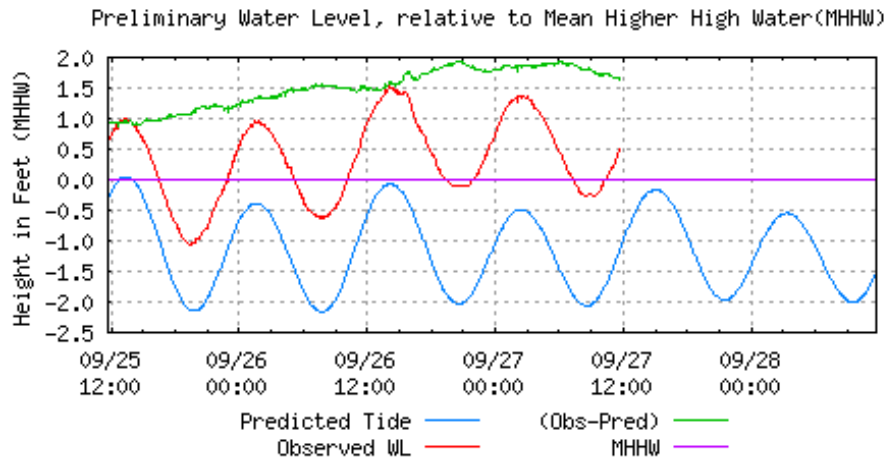
NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1006.8 mb

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA



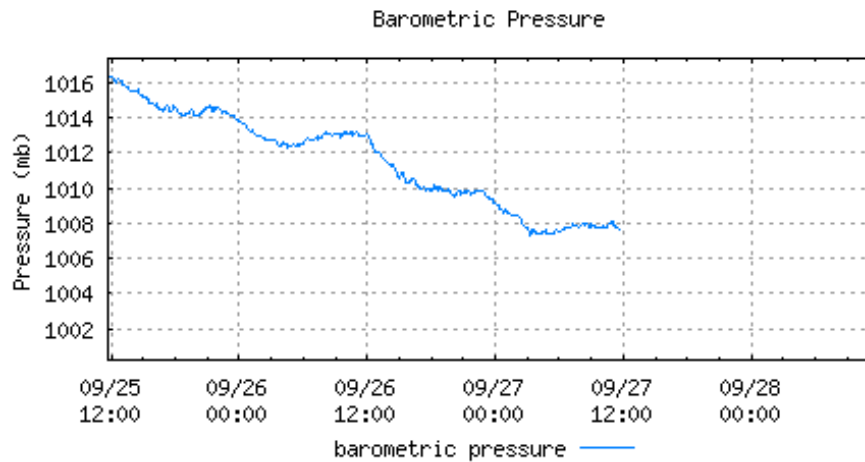
Last Observed Sample: 09/27/2017 11:42 (EDT). Data relative to MHHW

Observed: 0.50 ft. Predicted: -1.14 ft. Residual: 1.64 ft.

Historical Maximum Water Level: Aug 23 1933, 5.26 ft.

Next High Tide: 09/27/2017 15:01 (EDT), -0.16 ft.

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA

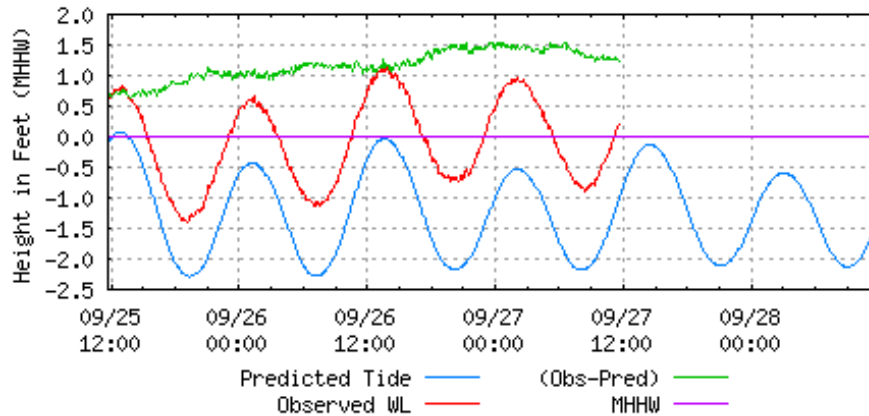


Last Observed Sample: 09/27/2017 11:42 (EDT)

Barometric Pressure: 1007.6 mb

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

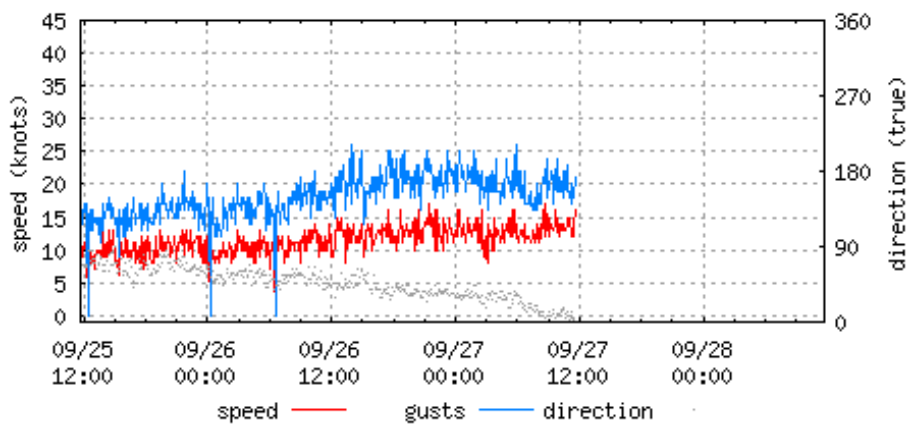
Observed: 0.20 ft. Predicted: -1.03 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Mar 8 1962, 4.13 ft.

Next High Tide: 09/27/2017 14:28 (EDT), -0.14 ft.

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA

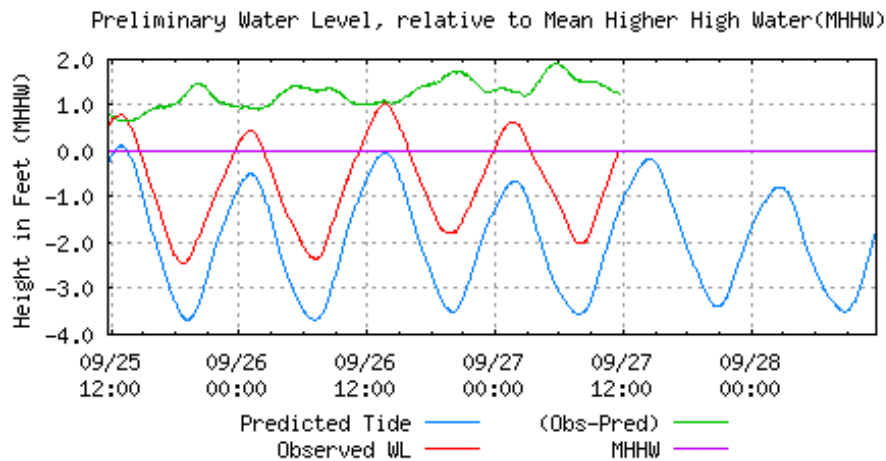
Wind Speed / Gusts / Direction



Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 16 knots Gusts: 21 knots Direction: 360° T

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



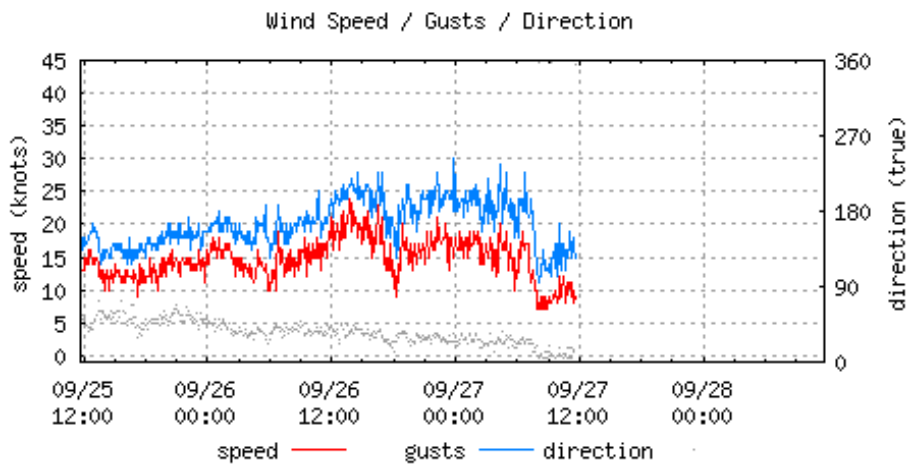
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: -0.02 ft. Predicted: -1.28 ft. Residual: 1.26 ft.

Historical Maximum Water Level: Feb 5 1998, 4.41 ft.

Next High Tide: 09/27/2017 14:28 (EDT), -0.18 ft.

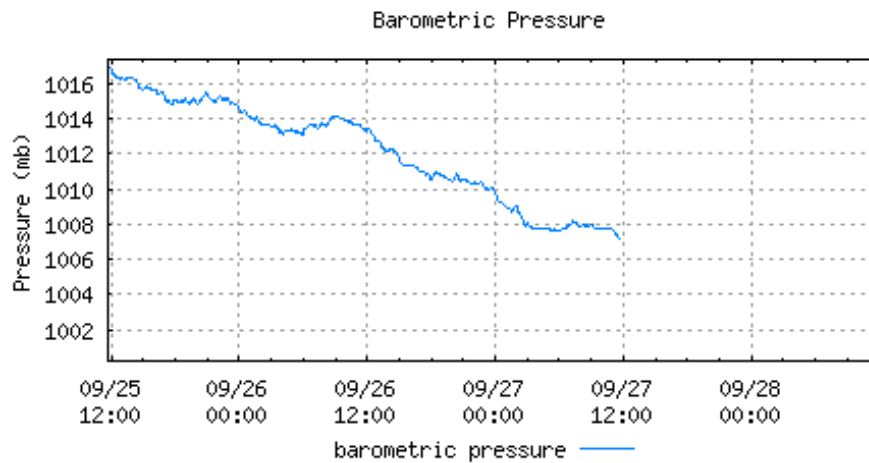
NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 354° T

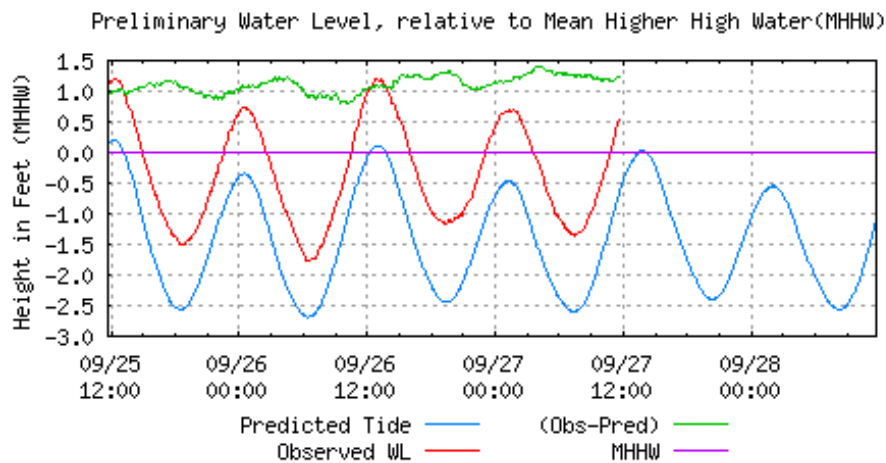
NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1007.2 mb

NOAA/NOS/CO-OPS 8656483 Beaufort, NC



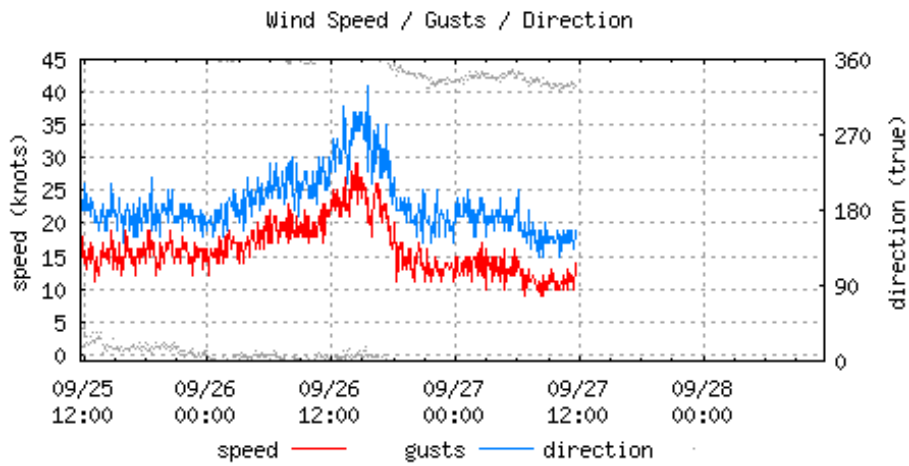
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: 0.54 ft. Predicted: -0.69 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 09/27/2017 13:47 (EDT), 0.03 ft.

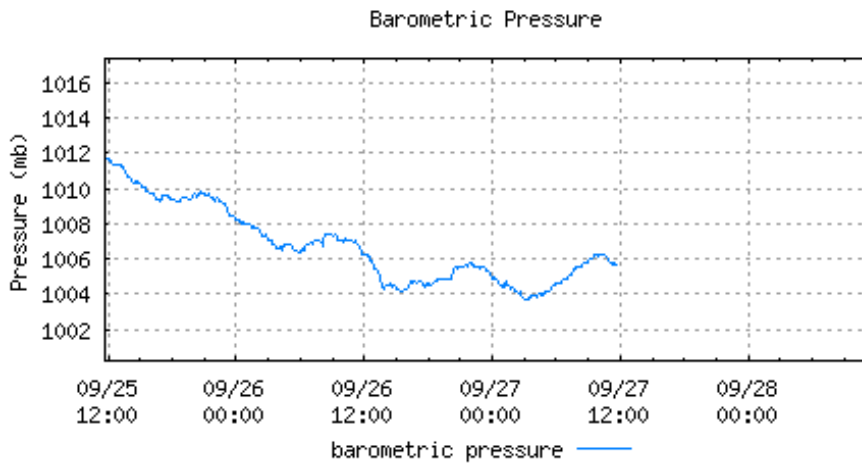
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 09/27/2017 11:36 (EDT)

Wind Speed: 14 knots Gusts: 19 knots Direction: 328° T

NOAA/NOS/CO-OPS 8656483 Beaufort, NC

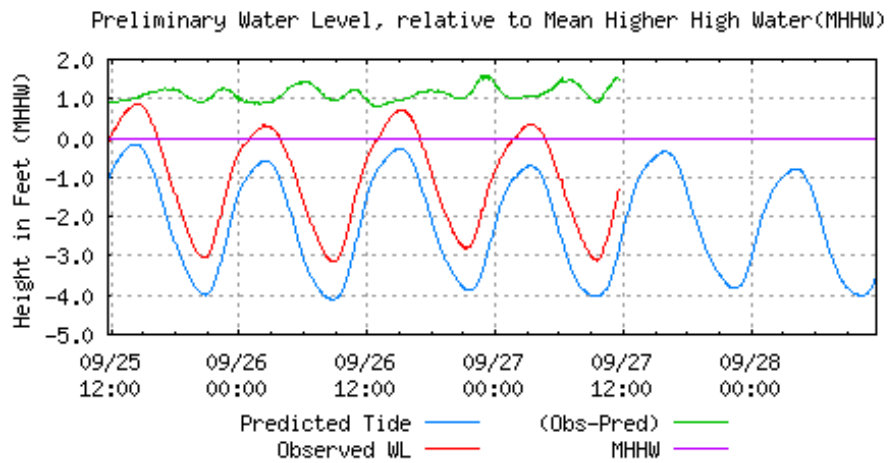


Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1005.7 mb



NOAA/NOS/CO-OPS 8658120 Wilmington, NC



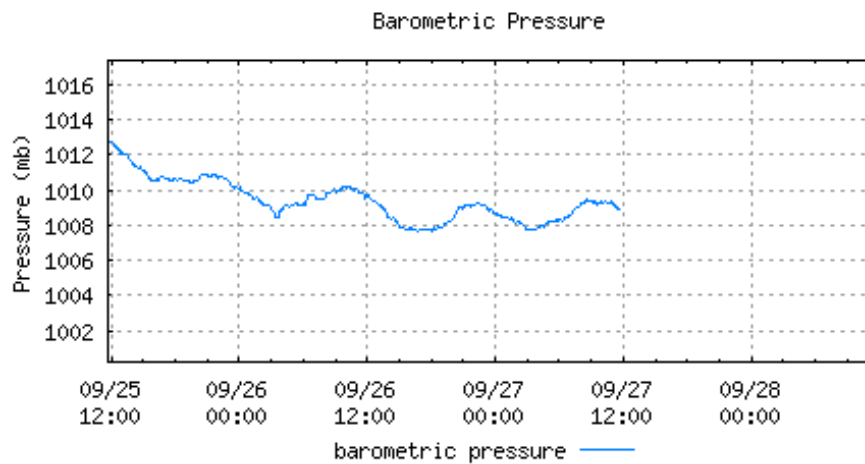
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: -1.34 ft. Predicted: -2.84 ft. Residual: 1.50 ft.

Historical Maximum Water Level: Oct 8 2016, 3.48 ft.

Next High Tide: 09/27/2017 15:54 (EDT), -0.34 ft.

NOAA/NOS/CO-OPS 8658120 Wilmington, NC

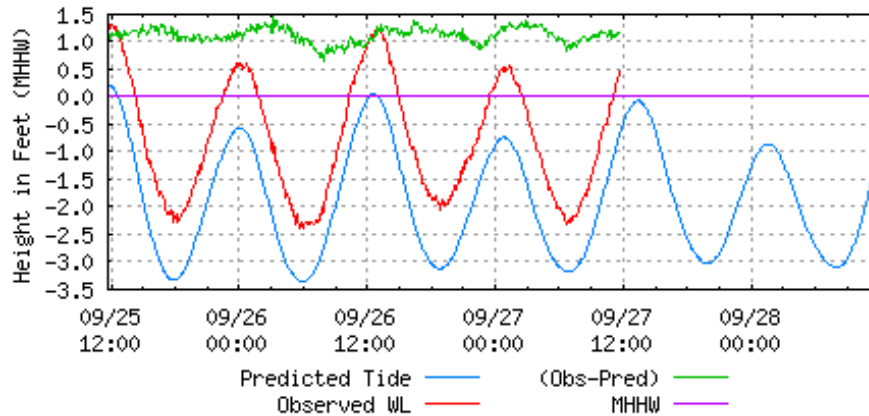


Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1008.9 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/27/2017 11:42 (EDT). Data relative to MHHW

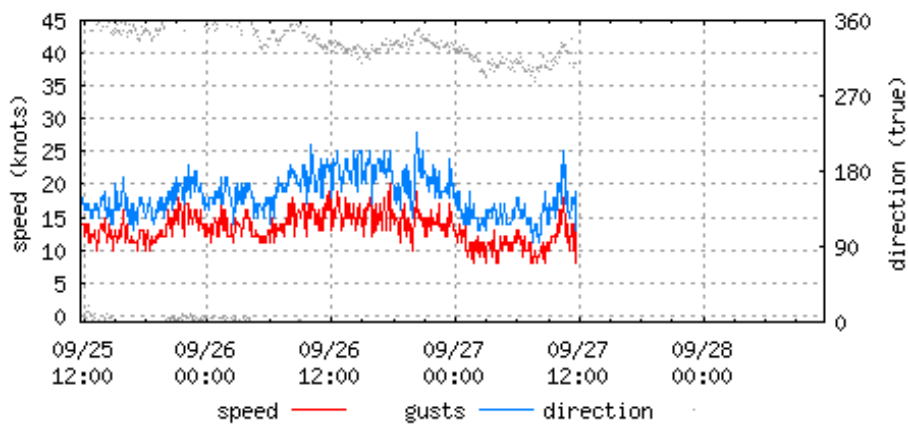
Observed: 0.48 ft. Predicted: -0.67 ft. Residual: 1.15 ft.

Historical Maximum Water Level: Oct 4 2015, 2.94 ft.

Next High Tide: 09/27/2017 13:24 (EDT), -0.07 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

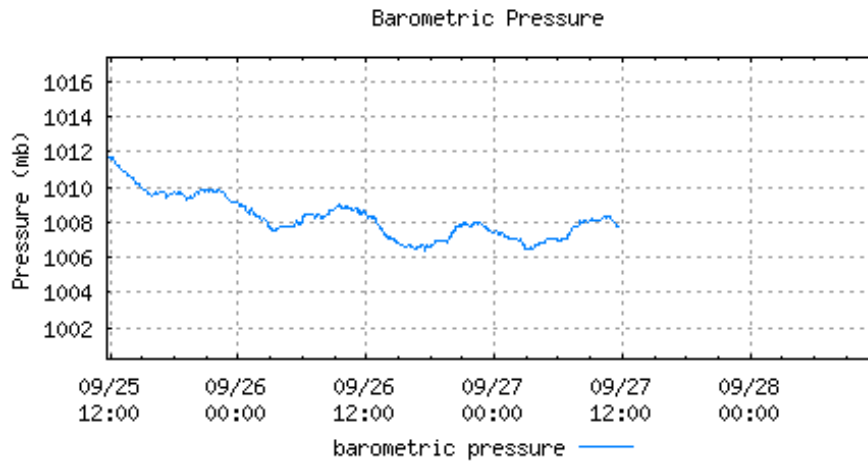
Wind Speed / Gusts / Direction



Last Observed Sample: 09/27/2017 11:42 (EDT)

Wind Speed: 8 knots Gusts: 13 knots Direction: 308° T

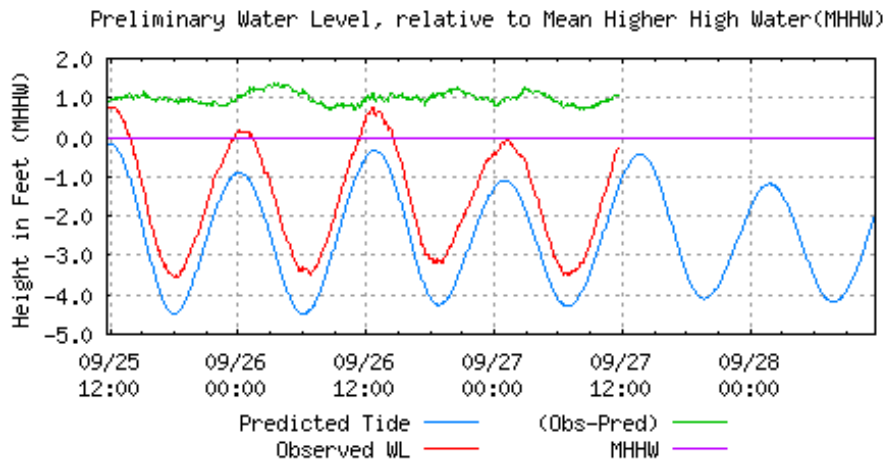
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 09/27/2017 11:42 (EDT)

Barometric Pressure: 1007.8 mb

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



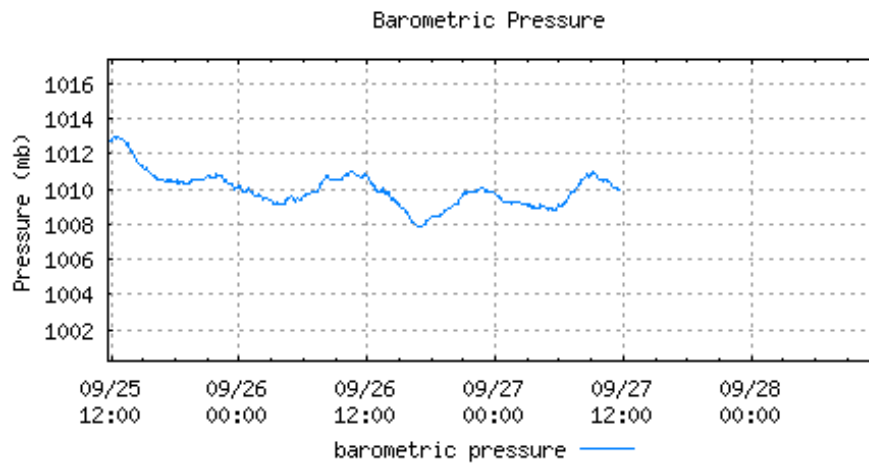
Last Observed Sample: 09/27/2017 11:36 (EDT). Data relative to MHHW

Observed: -0.26 ft. Predicted: -1.31 ft. Residual: 1.05 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 09/27/2017 13:39 (EDT), -0.42 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 09/27/2017 11:36 (EDT)

Barometric Pressure: 1010.0 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8654467	USCG Station Hatteras, NC	09/27/2017 11:36 (EDT)	2.54 ft	-0.18 ft	2.72 ft	2.74 ft
8652587	Oregon Inlet Marina, NC	09/27/2017 11:30 (EDT)	0.42 ft	-0.31 ft	0.73 ft	0.42 ft
8651370	Duck, NC	09/27/2017 11:36 (EDT)	1.03 ft	-0.68 ft	1.71 ft	1.26 ft
8638863	Chesapeake Bay Bridge Tunnel, VA	09/27/2017 11:36 (EDT)	0.74 ft	-0.80 ft	1.54 ft	1.37 ft
8638610	Sewells Point, VA	09/27/2017 11:42 (EDT)	0.50 ft	-1.14 ft	1.64 ft	1.52 ft
8632200	Kiptopeke, VA	09/27/2017 11:36 (EDT)	0.20 ft	-1.03 ft	1.23 ft	1.21 ft
8631044	Wachapreague, VA	09/27/2017 11:42 (EDT)	0.04 ft	-1.22 ft	1.26 ft	1.06 ft
8656483	Beaufort, NC	09/27/2017 11:36 (EDT)	0.54 ft	-0.69 ft	1.23 ft	1.21 ft
8658120	Wilmington, NC	09/27/2017 11:36 (EDT)	-1.34 ft	-2.84 ft	1.50 ft	0.70 ft
8658163	Wrightsville Beach, NC	09/27/2017 11:42 (EDT)	0.48 ft	-0.67 ft	1.15 ft	1.28 ft
8661070	Springmaid Pier, SC	09/27/2017 11:36 (EDT)	-0.26 ft	-1.31 ft	1.05 ft	0.77 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce